

We claim:

1. A system for monitoring data comprising:

a remote electronics unit for acquiring physiological data from a patient and for wirelessly transmitting the physiological data to a base station, the base station comprising a plurality of terminals for transmitting the physiological data to a patient display.
2. The system of claim 1 wherein the patient display is configured to be attached to a hospital bed.
3. The system of claim 2 wherein the patient display is configured to be rotatably connected to a swivel arm.
4. The system of claim 3 wherein the patient display is capable of rotating about a vertical axis defined by the swivel arm.
5. The system of claim 1 wherein the patient display is configured to be attached to a transport mechanism.
6. The system of claim 1 wherein the patient display is configured to be connected to a wall unit.
7. The system of claim 1 further comprising a chest assembly configured to attach to the remote electronics unit for collecting the physiological data from the patient and transmitting the physiological data to the remote electronics unit.
8. The system of claim 1 wherein the physiological data pertains to information selected from the group consisting EKG signals, blood pressure data, temperature readings, pulse, respiration rate data, pulse oximeter data, entertidal CO₂ concentrations, cardiac output, pulmonary artery pressures, peripheral vascular resistance, oxygen consumption, and oxygen delivery to tissues.

9. The system of claim 1 wherein the patient display is configured to be displayed the patient's medical records.

10. The system of claim 1 further comprising a central monitoring station for receiving the physiological data from the patient.

11. The system of claim 10 wherein the remote electronics unit is configured to wirelessly transmit the physiological data to the central monitoring station.

12. The system of claim 10 wherein the central monitoring station is configured to receive the physiological data via wired transmission.

13. The system of claim 10 wherein the central monitoring station is capable of two-way communication with the remote electronics unit.

14. The system of claim 10 wherein the central monitoring station is capable of two-way communication with the patient display.

15. The system of claim 1 wherein the patient display comprises a data entry device.

16. A system for monitoring the physiological data associated with at least one patient comprising, in combination:

at least one remote electronics unit removably connected to a chest assembly for acquiring physiological signals from a patient, the remote electronics unit comprising a transmitter for transmitting the physiological signals;

at least one repeater comprising a receiver for receiving the physiological signals from the body electronics unit and a transmitter for transmitting the physiological signals;

a central monitoring station comprising a receiver for wirelessly receiving the physiological signals from the at least one repeater;

at least one patient display for receiving the physiological signals from the central monitoring station.

17. The system of claim 16 wherein the at least one patient display is configured to be attached to a hospital bed.
18. The system of claim 17 wherein the at least one patient display is configured to be rotatably connected to a swivel arm.
19. The system of claim 18 wherein the at least one patient display is capable of rotating about a vertical axis defined by the swivel arm.
20. The system of claim 16 wherein the at least one patient display is configured to be attached to a transport mechanism.
21. The system of claim 16 wherein the at least one patient display is configured to be connected to a wall unit.
22. The system of claim 16 wherein the physiological data pertains to information selected from the group consisting EKG signals, blood pressure data, temperature readings, pulse, respiration rate data, pulse oximeter data, entertidal CO₂ concentrations, cardiac output, pulmonary artery pressures, peripheral vascular resistance, oxygen consumption, and oxygen delivery to tissues.
23. The system of claim 16 wherein the at least one patient display is capable of displaying the patient's medical records.
24. The system of claim 16 wherein the central monitoring station is capable of two-way communication with the at least one remote electronics unit.
27. The system of claim 16 wherein the central monitoring station is capable of two-way communication with the patient display.
28. The system of claim 16 wherein the patient display comprises a data entry device.
29. The system of claim 16 further comprising an electronic medical records system.
30. A system for monitoring data comprising:

a remote electronics unit for acquiring physiological data from a patient;

a central monitoring station for receiving the physiological signals from the remote electronics unit, the central monitoring station comprising a processor for processing the physiological signals and a transmitter for transmitting the processed signals;

a patient display for receiving the processed physiological signals from the central monitoring station, the patient display is configured to be attached to a hospital bed.

31. The system of claim 30 wherein the patient display is configured to be rotatably connected to a swivel arm.

32. The system of claim 31 wherein the patient display is capable of rotating about a vertical axis defined by the swivel arm.

33. The system of claim 29 wherein the patient display is configured to be attached to a transport mechanism.

34. The system of claim 29 wherein the patient display is configured to be connected to a wall unit.

35. The system of claim 29 further comprising a chest assembly configured to attach to the remote electronics unit for collecting the physiological data from the patient and transmitting the physiological data to the remote electronics unit.

36. The system of claim 29 wherein the physiological data pertains to information selected from the group consisting EKG signals, blood pressure data, temperature readings, pulse, respiration rate data, pulse oximeter data, entertidal CO₂ concentrations, cardiac output, pulmonary artery pressures, peripheral vascular resistance, oxygen consumption, and oxygen delivery to tissues.

37. The system of claim 29 wherein the patient display is capable of displaying the patient's medical records.

- 38. The system of claim 29 wherein the central monitoring station is capable of two-way communication with the remote electronics unit.
- 39. The system of claim 29 wherein the central monitoring station is capable of two-way communication with the patient display.
- 40. The system of claim 29 wherein the patient display comprises a data entry device.
- 41. The system of claim 1 further comprising an electronic medical records system.